

SCHOOL YEAR 2012/2013	
Class : S1	European Schooling
Integrated Sciences	English language
teacher : AMILHAT Stéphane	4 periods or 3h a week

### PRESENTATION AND OBJECTIVES

Introduction to the curriculums of biology, physics and chemistry in an integrated way

#### 1<sup>ST</sup> PART : OUR ENVIRONMENT

date	Programmation
September 2012	<p style="text-align: center;"><b><u>Lesson 1 : characteristics of our environment</u></b></p> <p>I. <b><u>The map of the international school</u></b></p> <p>II. <b><u>Measurements of the characteristics of our environment</u></b></p> <p>III. <b><u>Living and non-living elements of my environment</u></b></p> <p><a href="#">Test 1</a></p>
October	<p style="text-align: center;"><b>Lesson 2 : Water a mineral compound of our environment</b></p> <p>I. <b><u>Water on the Earth</u></b></p> <p>II. <b><u>The 3 states of water</u></b></p> <p>III. <b><u>Water cycle</u></b></p> <p>IV. <b><u>The changes of states</u></b></p> <p>V. <b><u>Physical properties of water</u></b></p> <p><a href="#">Test 2</a></p>
November	<p style="text-align: center;"><b>Lesson 3 : Air a mineral compound of our environment</b></p> <p>1. <b><u>Composition of air</u></b></p> <p>1. <u>atmospheric air</u></p> <p>2. <u>air molecules</u></p> <p><b><u>II. Physical properties of air</u></b></p> <p>1. <u>Air volume</u></p> <p>2. <u>Air pressure</u></p> <p>3. <u>Air mass</u></p> <p><a href="#">Test 3</a></p> <p style="text-align: center;"><b>Lesson 4 : the rocks : mineral compounds of our environment</b></p>

December	<p>I. <u>Composition of rocks</u></p> <p>II. <u>Physical properties of rocks</u></p>
December	<p style="text-align: center;"><u>Lesson 1 : Unit of living beings and respiration</u></p> <p>I. <u>Aquatic animals behaviour</u></p> <p>II. <u>Respiratory organs of aquatic animals</u></p> <p>III. <u>Water and air movement</u></p> <p><a href="#">Test 4</a></p>
January	<p style="text-align: center;"><u>Lesson 2 : Unit of living beings and reproduction</u></p> <p style="text-align: center;"><u>Lesson 2A : Vegetable kingdom and Plant reproduction</u></p> <p>I. <u>The morphological change of some plants</u></p> <p>II. <u>The formation of a new plant from a seed</u></p> <p>III. <u>The formation of a seed in a fruit</u></p> <p>IV. <u>The seeds dispersal</u></p> <p><a href="#">Test 5</a></p>
february	<p style="text-align: center;"><u>Lesson 2B. Animal and human reproduction</u></p> <p>I. <u>Puberty transformations</u></p> <p>II. <u>The functioning of male reproductive system</u></p> <p><a href="#">Test 6</a></p> <p>III. <u>The functioning of female reproductive system</u></p> <p>IV. <u>From fertilisation to pregnancy and birth</u></p> <p><u>Contraception and STDs as a conclusion</u></p> <p><a href="#">Test 7</a></p>
March	<p style="text-align: center;"><u>Lesson 3 : Diversity of living beings and classification</u></p> <p>I. <u>Description of living beings of our environment</u></p> <p>II. <u>Classification of living beings of our environnement</u></p>
April	<p style="text-align: center;"><u>Lesson 4 : Unit of living beings and cells</u></p> <p>I. <u>The livings beings observed by microscope</u></p> <p>II. <u>II. Structural unit of living beings</u></p> <p><a href="#">Test 8</a></p>

**3<sup>RD</sup> PART : USEFUL TECHNICS**

	<p style="text-align: center;"><b><u>A : Electricity</u></b></p>
May	<p style="text-align: center;"><b><u>Lesson 1 : Electrical circuit</u></b></p> <p>I. <b><u>Using a battery</u></b></p> <p>II. <b><u>Using a cell</u></b></p> <p>III. <b><u>Using a switch</u></b></p> <p>IV. <b><u>Electrical circuits</u></b></p> <p><a href="#">Test 9</a></p>
	<p style="text-align: center;"><b>Lesson 2 : electrical conduction</b></p> <p>I. <b><u>Conductor and insulator</u></b></p> <p>II. <b><u>Structure of atom</u></b></p> <p><a href="#">Test 10</a></p>
June	<p style="text-align: center;"><b><u>B : Water in solutions</u></b></p> <p>I. <b><u>Dissolution and aqueous mixture</u></b></p> <p>II. <b><u>Purification of (muddy) water</u></b></p> <p>III. <b><u>Chromatography</u></b></p>